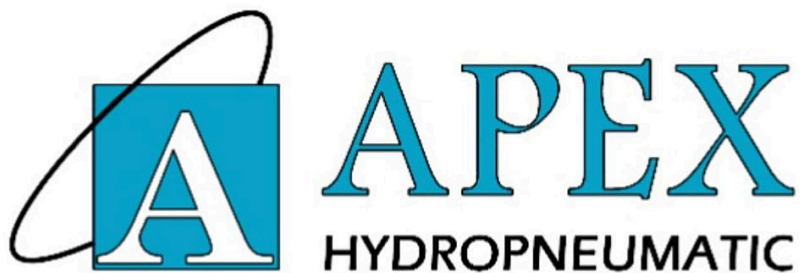




Lubrication Product Guide



Quality Without Compromise

The oil and lubrication system plays a very significant role in the performance of a reciprocating compressor. Too much, too little or inconsistent delivery can reduce performance, lead to premature wear and potentially result in catastrophic failure.

Apex provides industry leading lubrication system products and services, partnering with our customers to develop individual solutions to their unique lubrication needs. From individual components to complete, turnkey systems, we can provide the resources and expertise to ensure your compressor operates at peak performance and longevity.



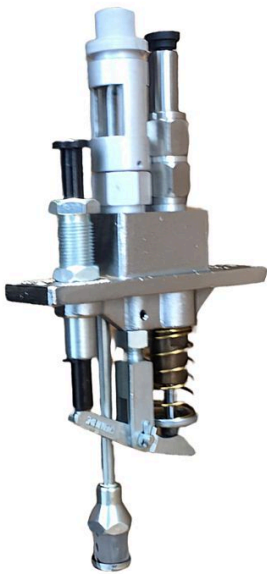
Lubricator Feed Pumps

Apex designs and manufactures a wide range high quality lubricator feed pumps that come in various models with several options. The model that's right for you will be the model designed to fit in your lubricator box.

Features

- One piece steel pump body
- Precision roller rocker assembly
- Pyrex sight glass with protective housing
- Precision internal and outlet check valves
- Weatherproof construction Furnished as original equipment by engine, pump and compressor manufacturers
- Modular cylinder design

Consult Apex for the right pump for your application.



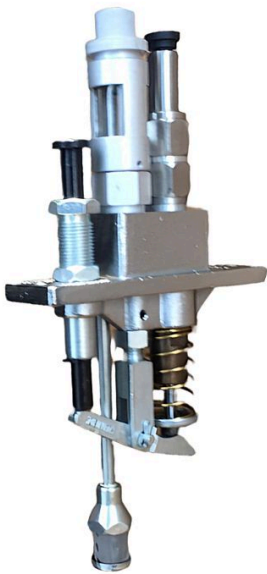
Lubricator Feed Pumps

Technical Specifications

Lubricant Type	Synthetic or Mineral Based
Inlet / Outlet Size	1/8 NPT Compatible
Delivery	0.00 to 0.28 cc/stroke
Plunger Size	1/4" Pump

Pressure Rating

Low Pressure Unit	Max. Working Pressure 28 kg/cm [^]
Standard Pressure Unit	Max. Working Pressure 85 kg/cm [^]
High Pressure Unit	Max. Working Pressure 210 kg/cm [^]
Very High Pressure Unit	Max. Working Pressure 410 kg/cm [^]
Ultra High Pressure Unit	Max. Working Pressure 565 kg/cm [^]



Feed Pumps With Manifold Block

The feed manifold assembly provides protection for the lubrication system by verifying that the camshaft is rotating while also indicating a low oil level condition in the lubrication box.

During normal operation, oil pressure in the feed pump manifold will fluctuate within a range proportional to the pump output rate. The pump maintains pressure in the manifold to indicate sufficient oil level in a lubricator box.

When the oil level in the lubricator box drops below the suction tube, the pump stops generating oil pressure. At this point residual oil pressure vents through the orifice, dropping gauge pressure in the manifold. This drop in pressure will trigger pressure switch set points.



Features

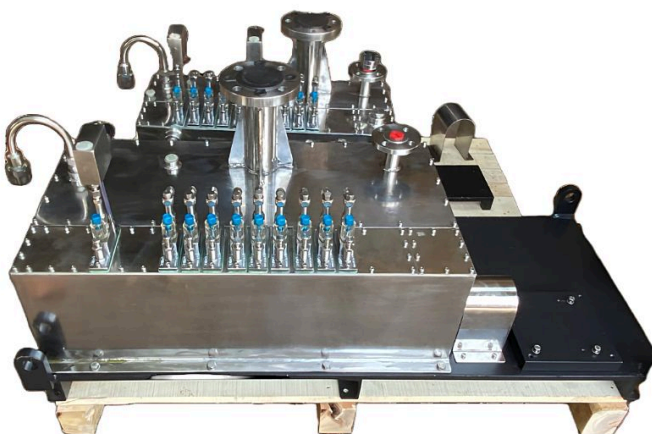
- Installs in any pump location in a Apex lubricator box, or on the square cam in older lubricator designs
- Utilizes box suction pumps, drawing oil from the lubricator box, cycling it through the manifold and back into the lubricator box
- Pressure regulator sets the upper pressure limit of the manifold, this is factory set and wire tied
- Orifice kit is included to configure the manifold to the application oil viscosity and volumetric flow rate
- Rotatable pressure gauge (loosen the tube fitting nut, retighten to connect)

Lubricator Boxes

Apex lubrication boxes, commonly referred to as lubricators, will accurately deliver a predetermined quantity of oil normally under pressure, at regular intervals to moving parts on all types of industrial machinery. The lubricator consists of a reservoir, drive mechanism, and oil pumps. They are furnished in electric motor drive or shaft driven from the machinery to be lubricated. Shaft driven units can be direct drive, pulley/ sheave, or oscillating drive motion.

Features

- Force feed lubricators
- Heavy duty steel reservoirs
- All gear rotary drives
- Electric motor drives
- Ratchet drives
- Bottom rotary drives
- Suitable for use with petroleum and synthetic based lubricants.
- Automatic oil level controllers
- Level switches
- Electric heater and thermostat assemblies
- Shaft rotation alarms
- Partitions in reservoir for two or more lubricants
- Check valves available in carbon steel and stainless steel



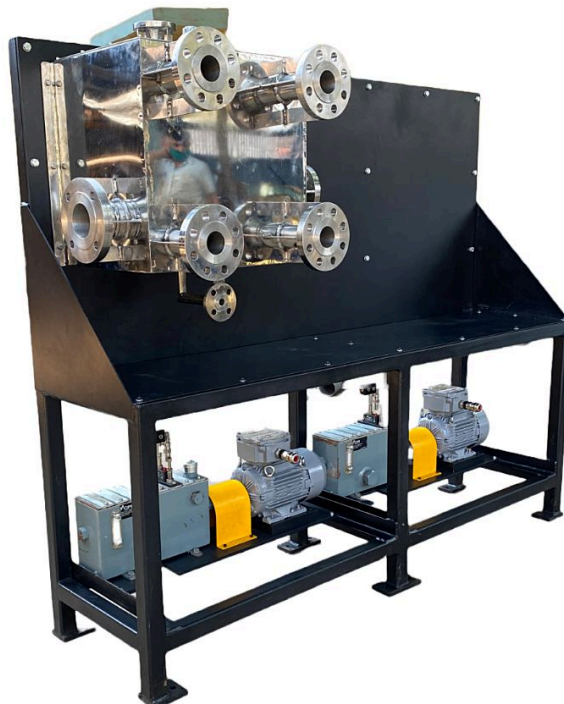
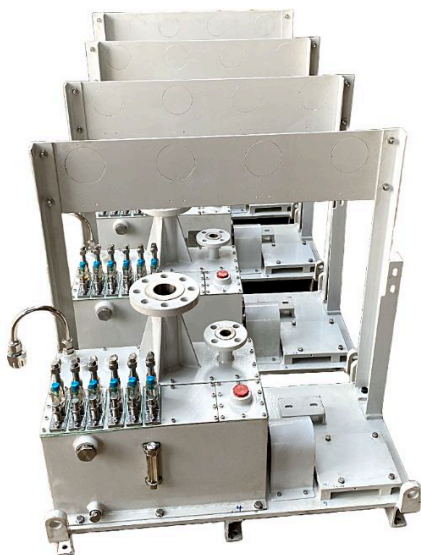
Custom Lubrication Solutions

Apex provides custom lubrication system consoles for all reciprocating compressor applications. Our lubrication system consoles are self-contained lubrication systems that have been designed for hazardous locations and all types of industrial machinery, including reciprocating compressors and reciprocating pumps.

Our expertise encompasses not only our products but also an understanding of the compressors and processes on which they are operating.

With the experience of over 27 years, we're able to troubleshoot the root problems & provide solutions within minimal time.

Contact our team to get complete lubricating solution with precisely designed components to get your job done.



Vision

Through relentless innovation, we help our customers safely and reliably tackle their toughest jobs around the world.

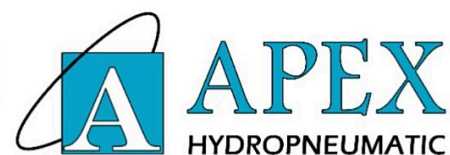
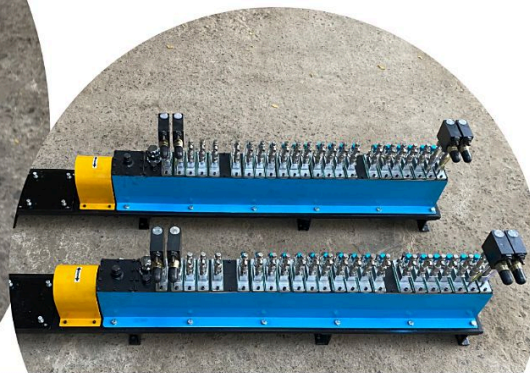
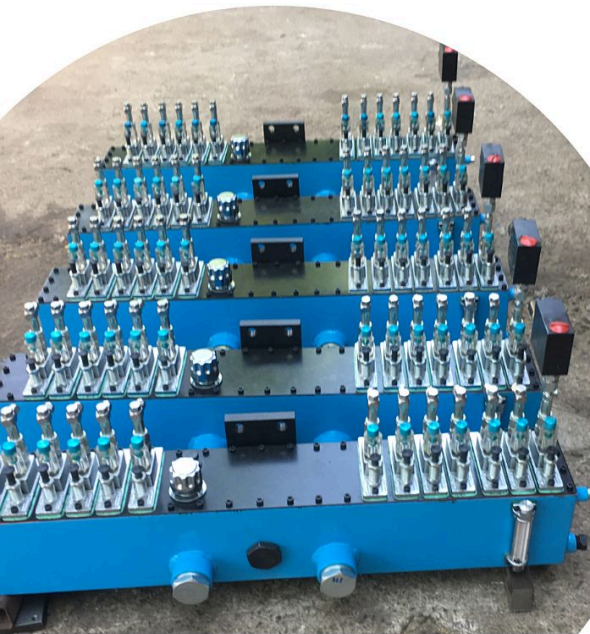
Values

- We put safety and integrity first
- We focus on our customers
- We work collaboratively
- We deliver on our commitments

Quality

With Commitment

Apex combines technical excellence with proven performance – every day, every year, year after year. We believe that customers shouldn't have to compromise – they can rest easy knowing that even in the most complex situations, their reputations and productivity are protected by the most trusted industrial tools and services available.





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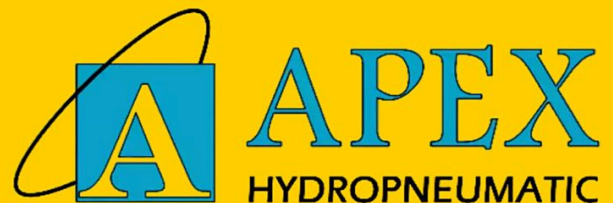


www.apexhydropneumatic.com

Apex Hydropneumatic is a premier industrial Hydraulic Equipments Manufacturing and services company, serving a broad and diverse set of customers around the globe . The company was founded in 1995 and has it manufacturing unit in Ahmedabad, Gujarat, India.



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